**Supplementary File 3: Yields of PSC-EV.** Yield produced by each PSC-EV isolation are summarized. Protein amounts of harvested PSC-EV were determined by the BCA method. For patient samples 1 and 2, the same cell population was used to isolate EVs at two different passages as indicated.

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| **Human PSC (patient No.)** | **Passage** | **Yield (pg/cell/d)** |
| 1 | P4; P6 | 1.144; 1.251 |
| 2 | P4; P7 | 0.896; 1.143 |
| 3 | P9 | 1.328 |
| 4 | P9 | 0.898 |